

Decision Support Briefing

Southeast River Forecast Center



Hydrologic Vulnerability Assessment



Issued: 10:20 AM ET Sunday, October 25, 2020



Weather Ready Nation



NWSSERFC



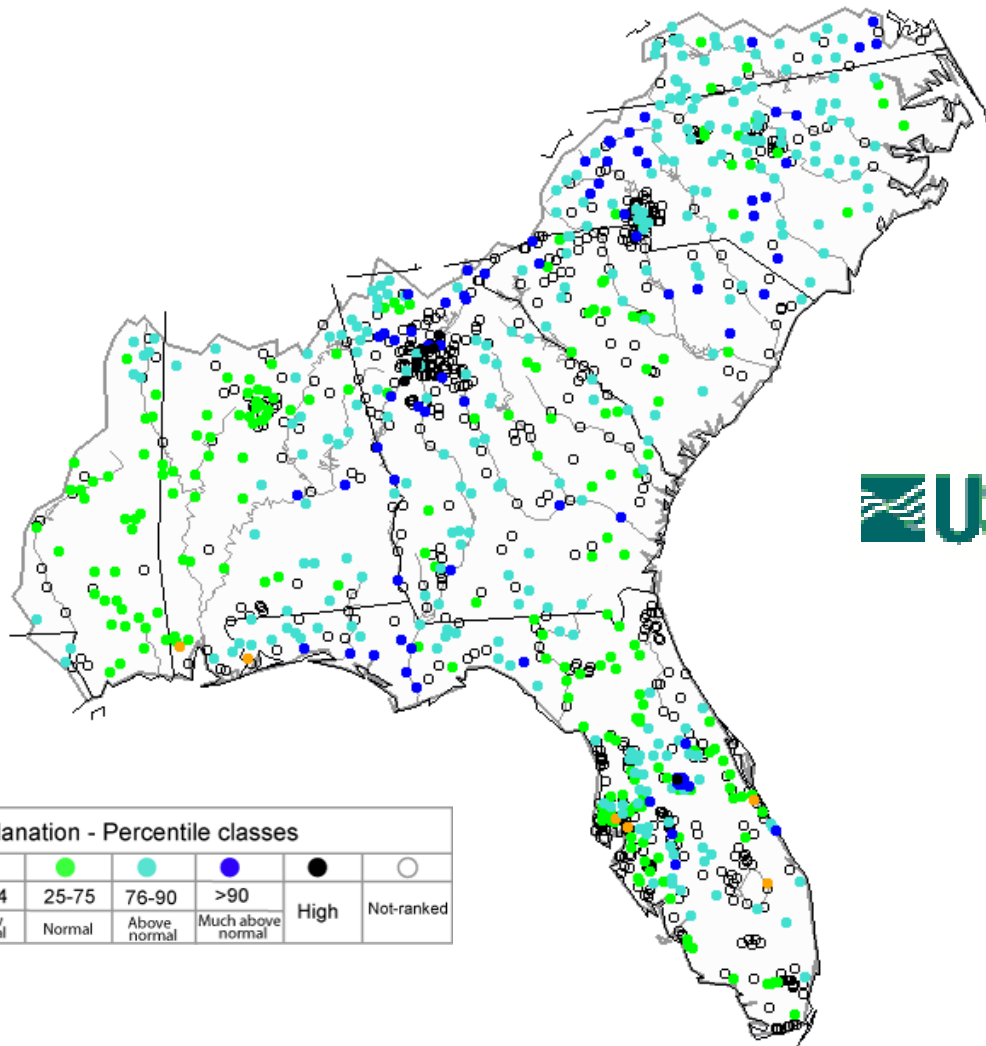
@NWSSERFC



- **Tropical Storm Zeta and a continental low pressure system are expected to bring heavy rainfall to the Southeast by mid week.**
- **Forecast remains uncertain on the track and strength of Zeta, and this will have an impact on the overall rainfall forecast and flooding potential.**



Saturday, October 24, 2020



USGS

The 28-day average streamflows range from near normal to above normal for much of the Southeast.

Explanation - Percentile classes

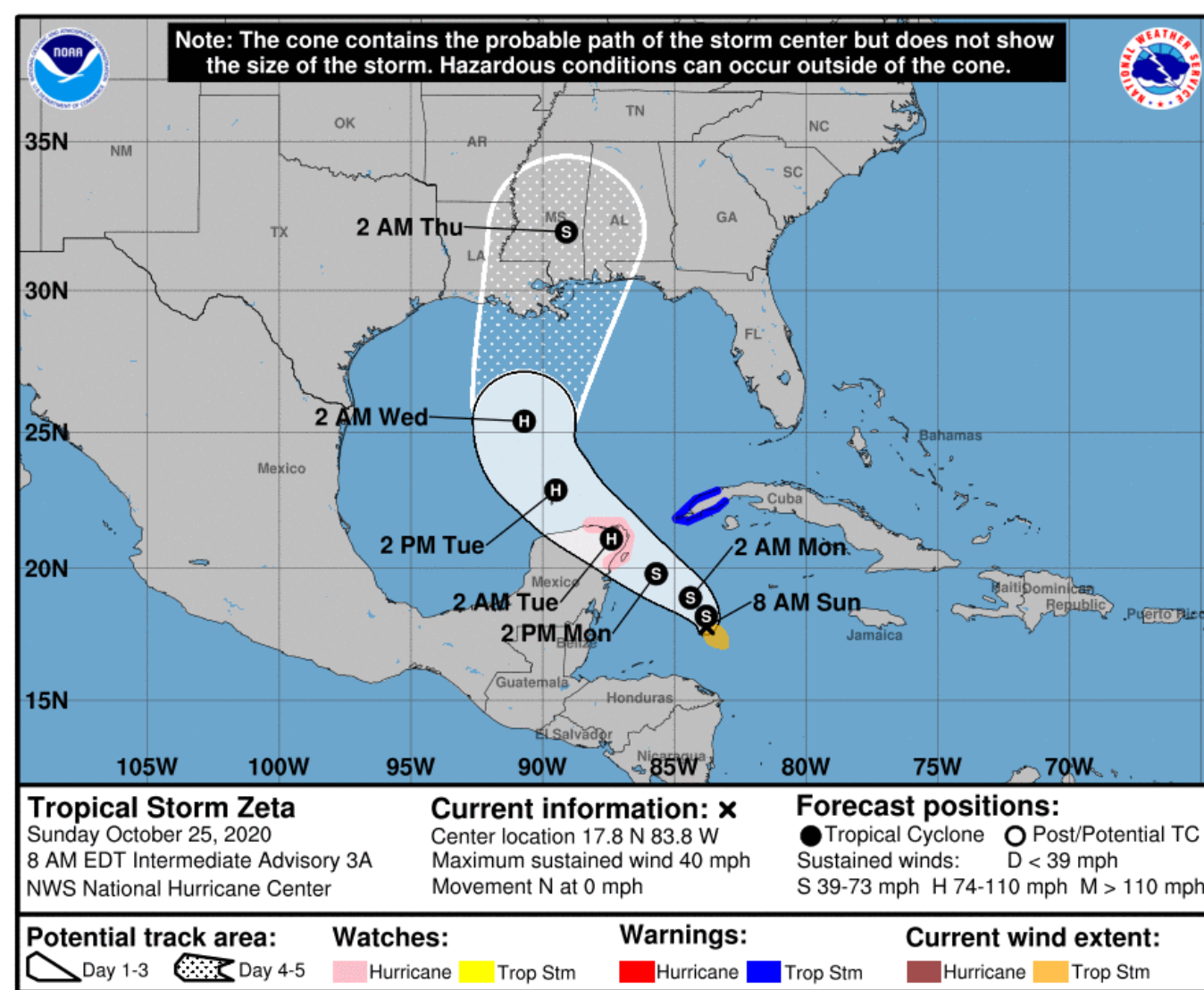
●	●	●	●	●	●	●	○
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Tropical Storm Zeta

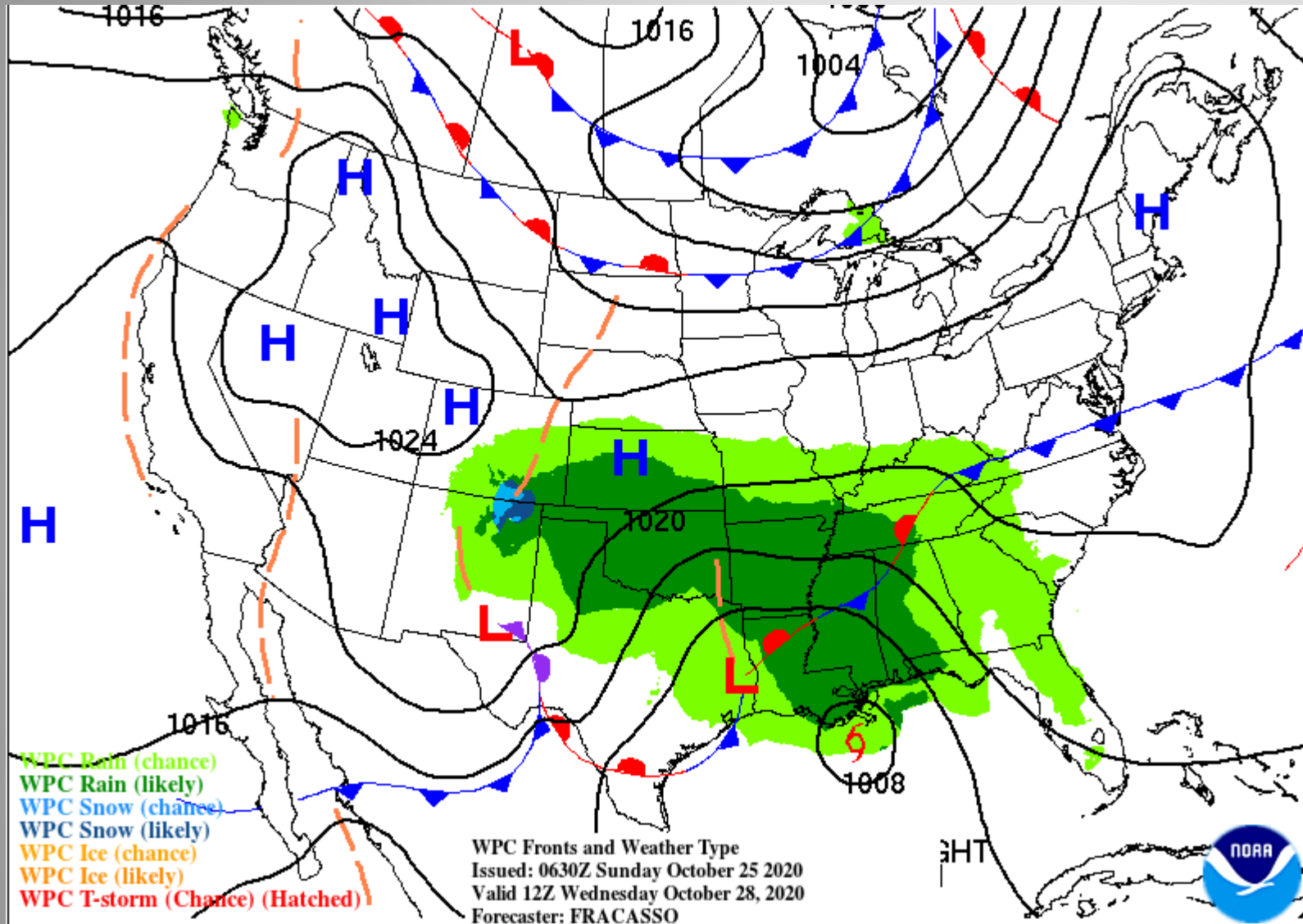
Zeta could affect the Southeast by midweek

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The latest forecast for Tropical Storm Zeta is to move northwestward into the Gulf of Mexico, and then turn northward as it interacts with a continental low pressure system.



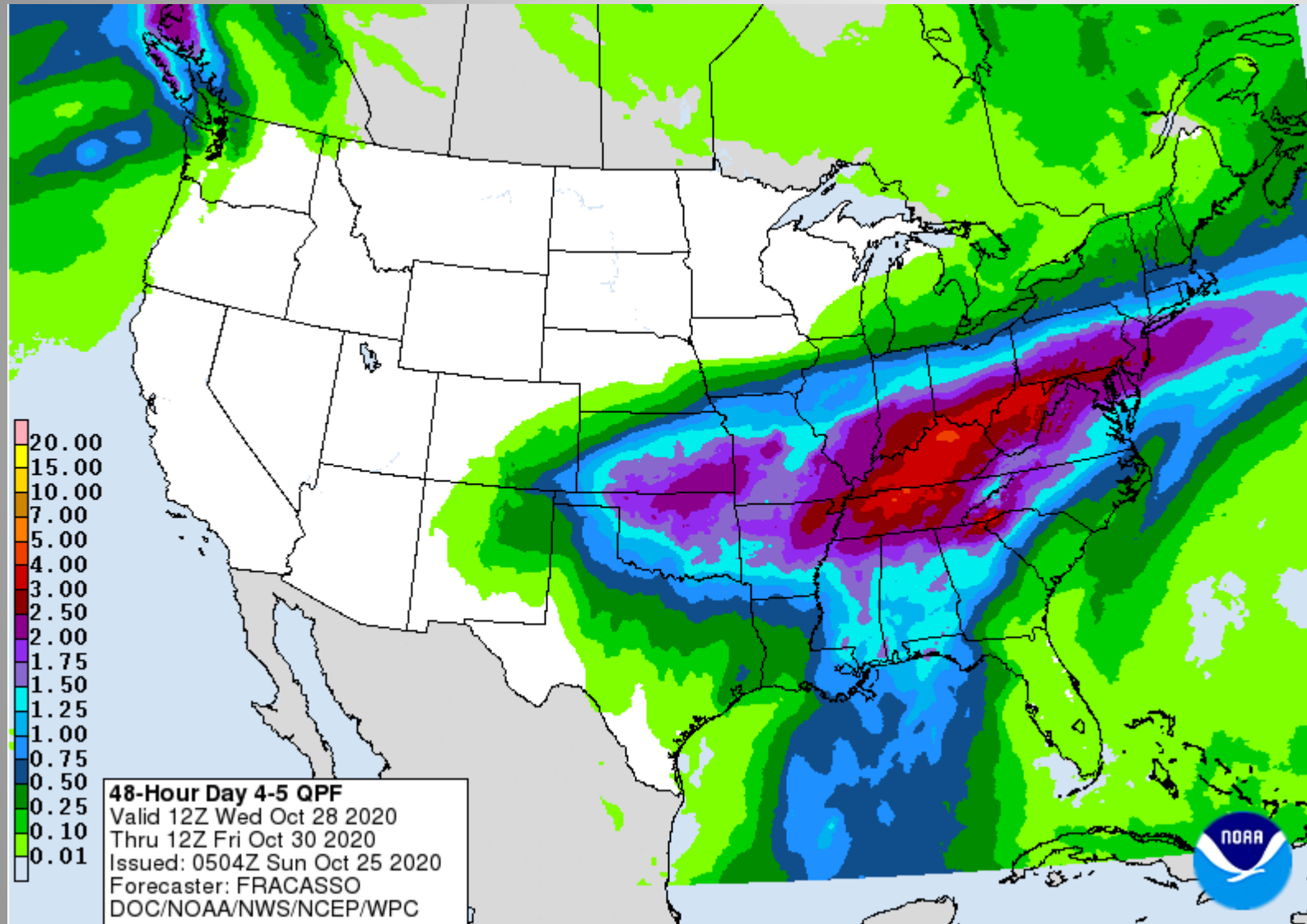
The interaction between Zeta and the continental low will have an effect on where we will see heavy rain in our forecast area. This will also have a bearing on the flood potential for the region.

Southeast Heavy Rain Threat

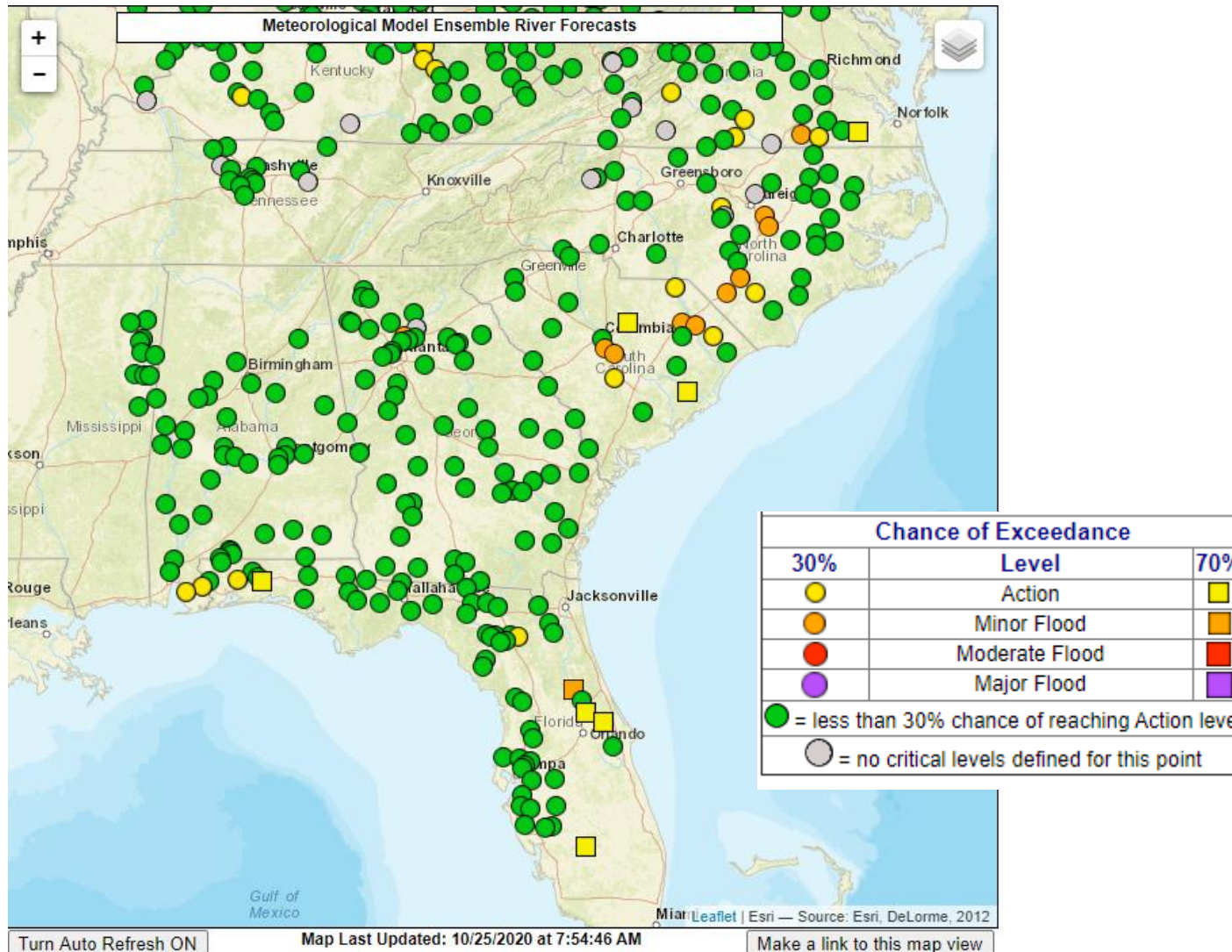
Heavy Rainfall potential by midweek

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The bulk of the rainfall associated with both the continental and tropical lows is currently in the Day 4-5 timeframe, roughly Wednesday morning through Friday morning. This forecast will be refined as the interaction between systems becomes clearer.



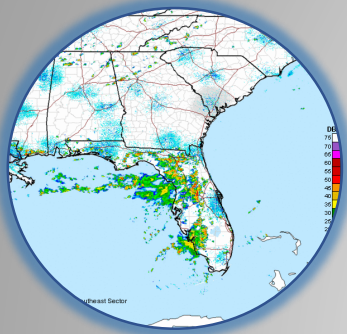
While the rainfall is currently outside the 48-hr window used by our operational forecasts, we can look at MMEFS to get a sense of rainfall scenarios into this week. Given the current forecasts, we are seeing the possibility of minor floods in the Carolinas. Again, these forecasts are very dependent on the interaction between the low pressure systems several days out.



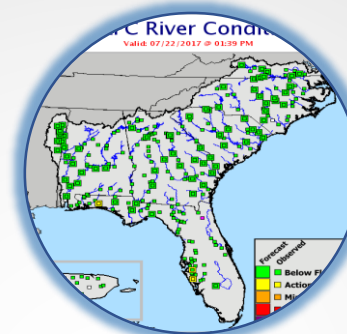
- SERFC is on normal operating hours. Normal hours are 6 am to 10 pm EDT. Please contact us if you have any questions or concerns.
- Additional briefings are likely over the coming days.

**Latest River Stages and Forecasts
are available...click here!**

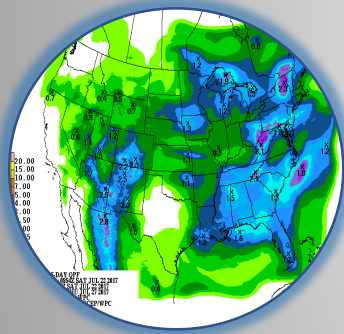
Please send all operational correspondence to
sr-alr.rivers@noaa.gov or call the office directly.



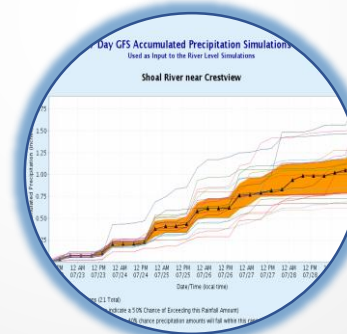
[Latest Radar](#)



[SERFC Quick Brief](#)



[Latest Forecast Rainfall](#)



[MMEFS – Ensemble River Forecasts](#)



- *This product has set the stage for the upcoming event. The Decision Support briefing will continue over the next few days to update you on current conditions and changes to the forecast.*
- *These slides are intended for your use. Please feel free to share these with others. If you have any questions please email sr-alr.rivers@noaa.gov or contact your local NWS Weather Forecast Office.*
- *Remember: SERFC briefings cover freshwater flooding. For information on coastal and tidal flooding, flash floods, winds, and severe weather risks, please contact your local Weather Forecast Office.*